Clarion®

Owner's manual
Mode d'emploi
Bedienungsanleitung
Istruzioni per l'uso
Gebruiksaanwijzing
Manual de instrucciones
Bruksanvisning
Manual de instruções

DXZ668RMP

CD/MP3/WMA RECEIVER / CeNET CONTROL
RÉCEPTEUR CD/MP3/WMA : COMMANDE CeNET
CD/MP3/WMA EMPFÄNGER/CeNET-STEUERUNG
LETTORE CD/MP3/WMA CON RICEVITORE/ CONTROLLO CeNET
CD/MP3/WMA RADIO/CeNET BEDIENING
RECEPTOR Y REPRODUCTOR DE CD/MP3/WMA/ CONTROL DE CeNET
CD/MP3/WMA-RECEIVER MED CeNET-KONTROLL
RECEPTOR DE CD/MP3/WMA/CONTROLO CeNET

Thank you for purchasing this **Clarion** product.

- Please read this owner's manual in its entirety before operating this equipment.
- After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
- Check the contents of the enclosed warranty card and keep it carefully with this manual.
- This manual includes the operating procedures of the iPod interface, CD changer, DAB and TV tuner connected via the CeNET cable. The iPod interface, CD changer and TV tuner have their own manuals, but no explanations for operating them are described.

CeNET R·D·S EON COMPACT disc DIGITAL AUDIO TEXT MP3 ID3 TAG Plays Windows Media™ ISO CONNECTOR

CAUTIONS:

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.

!CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OWNER'S MANUAL MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

ADVARSEL.

Denne mærking er anbragt udvendigt på apparatet og indikerer, at apparatet arbejder med laserstråler af klasse 1, hvilket betyder, at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utilladelig kraftig stråling.
APPARATET BØR KUN ÅBNES AF FAGFOLK MED SÆRLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLER!

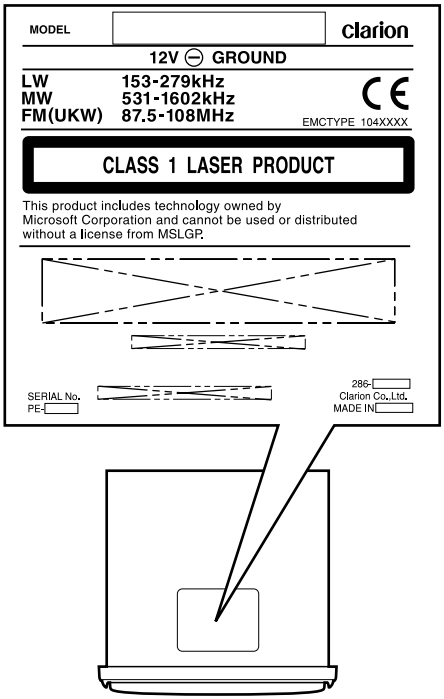
Indvendigt i apparatet er anbragt den her gengivne advarselsmækning, som advarer imod at foretage sådanne indgreb i apparatet, at man kan komme til at udsaætte sig for laserstråling.

OBS!

Apparaten innehåller laserkomponenten som avger laserstrålning överstigande gränsen för laserklass 1.

VAROITUS

Suojakoteloa si saa avata. Laite sisältää laserdiodin, joka lähettää näkymätöntä silmille vaarallista lasersäteilyä.



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English

1. PRECAUTIONS

1. This unit is applicable for on-road 4 wheel vehicle purpose only. Use for tractor, fork truck, bulldozer, off road vehicle, 2 or 3 wheel motor bicycle, marine boat or other special purpose vehicle is not appropriate.
2. When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.
3. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY.

Sloping Console

This unit uses sloping console to make large-screen displays possible.

When you use the sloping console, be sure to close it.

⚠CAUTION

BE CAREFUL NOT TO GET YOUR FINGERS CAUGHT WHEN OPENING AND CLOSING THE SLOPING CONSOLE.

1. For safety's sake, always close the SLOPING CONSOLE before leaving this unit unused for a prolonged period or switching OFF the ignition key.

   If you switch OFF the ignition key with the SLOPING CONSOLE tilted, the SLOPING CONSOLE does not close.
2. Before the SLOPING CONSOLE closes, there may be a braking sound from the safety mechanism. This is normal.

3. If you move the SLOPING CONSOLE by hand, this may create play. To correct this play, with the power on for the unit, press the [⏏] button to close the SLOPING CONSOLE.
4. After a disc is ejected, the SLOPING CONSOLE automatically returns to the tilted or closed state. If there is any obstruction when the SLOPING CONSOLE tries to close, the safety mechanism is triggered and the SLOPING CONSOLE returns to the open state. If this happens, remove the obstruction, then press the [⏏] button.
5. To avoid scratching the compact disk, keep the 12 or 8 cm CD level when inserting or removing them.

Handling Compact Discs

Use only compact discs bearing the COMPACT disc DIGITAL AUDIO or COMPACT disc DIGITAL AUDIO TEXT mark.

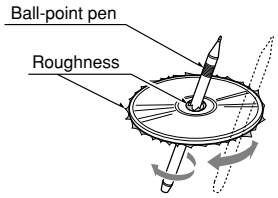
Do not play heart-shaped, octagonal, or other specially shaped compact discs.

Some CDs recorded in CD-R/CD-RW mode may not be usable.

Handling

- Compared to ordinary music CDs, CD-R and CD-RW discs are both easily affected by high temperature and humidity and some of CD-R and CD-RW discs may not be played.

  Therefore, do not leave them for a long time in the car.
- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.



- Never stick labels on the surface of the compact disc or mark the surface with a pencil or pen.
- Never play a compact disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a compact disc, you may not be able to get it back out of the CD player or it may damage the CD player.
- Do not use compact discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a compact disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available CD protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose compact discs to direct sunlight or any heat source.
- Do not expose compact discs to excess humidity or dust.
- Do not expose compact discs to direct heat from heaters.

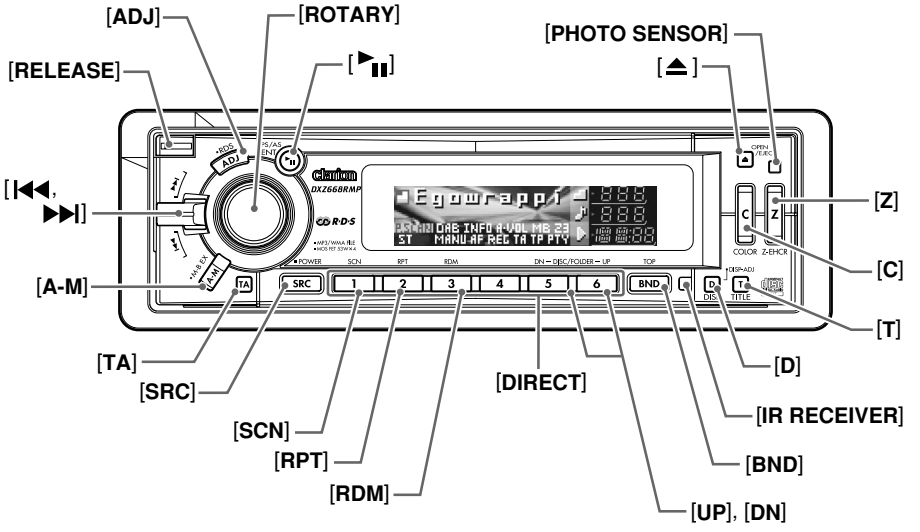
Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the compact disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean compact discs.
- After using special compact disc cleaner, let the compact disc dry off well before playing it.

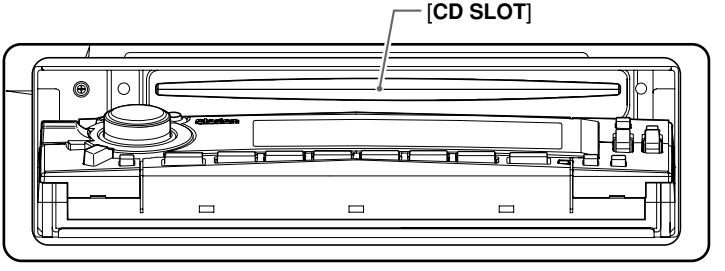
Be sure to unfold and read the next page. */ Veuillez déplier et vous référer à la page suivante.*
Bitte ausbreiten und die nächste Seite lesen. */ Assicurarsi di aprire e leggere la pagina successiva.*
Volgende pagina uitvouwen en doorlezen a.u.b. */ Cerciórese de desplegar y de leer la página siguiente.*
Glöm inte att vika ut och läsa nästa sida. */ Não deixe de abrir e ler a próxima página.*

2. CONTROLS / LES COMMANDES / REGLER / CONTROLLI REGELAARS / CONTROLES / KONTROLLER / CONTROLOS

***Main unit** / Appareil principal / **Hauptgerät** / Apparecchio principale*
***Hoofdtoestel** / Unidad principal / **Huvudenhet** / Unidade principal*



***With the SLOPING CONSOLE opened** / Ouvrez la CONSOLE RABATTABLE*
***ÖFFNUNG DER SCHRÄGKONSOLE** / Apertura della CONSOLE INCLINATA*
***Met het KANTELEND BEDIENINGSPANEEL geopend** / Apertura de la CONSOLA INCLINABLE*
***DEN LUTANDE KONSOLEN öppen** / Com a CONSOLA INCLINÁVEL aberta*



Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.
Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.
Hinweis: Bitte diese Seite ausfalten und beim Lesen der einzelnen Kapitel die Frontdiagramme beachten.
Nota: Assicurarsi di aprire questa pagina e fare riferimento a questi diagrammi quando si legge ciascun capitolo.
Opmerking: Vouw deze pagina uit en zie tevens de afbeeldingen van het voorpaneel tijdens het doorlezen van de volgende hoofdstukken.
Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.
Observera: Vik ut denna sida för att kunna se figurerna över bilstereons framsida medan du läser de olika kapitlen.
Nota: Certifique-se de abrir esta página e consulte os diagramas frontais conforme realiza a leitura de cada capítulo.

English

3. NOMENCLATURE

Note:

*• Be sure to read this chapter referring to the front diagrams of chapter "**2. CONTROLS**" on page 5 (unfold).*

Names of the Buttons and Their Functions

[RELEASE] button
- Deeply push in the button to unlock the DCP.

[ADJ] button
- Use the button to switch to the adjustment mode or RDS adjustment mode (in Radio FM/DAB mode).

[ROTARY] knob
- Adjust the volume by turning the knob clockwise or counterclockwise.
- Use the knob to perform various settings.

[▶II] button
- Perform preset scan while in the radio mode. When the button is pressed and held, auto store is performed.
- Play or pause a CD while in the CD/MP3/WMA mode.
- Confirm various settings.

[⏏] button
- Press to open the SLOPING CONSOLE and insert a CD into the CD SLOT.
- Press to eject a CD loaded in the unit.

[PHOTO SENSOR]
- This sensor detects the brightness inside your car. When the auto-dimmer function is set to "**AUTO**", the brightness of the display is dimmed according to the brightness detected by this sensor.

[Z] button
- Use the button to select one of the 3 types of sound characteristics already stored in memory.

[C] button
- Button's color change to multicolor.
- Press and hold the button for 1 second or longer to go into the user color adjustment.

[T] button
- Use the button to input a title in the CD mode.
- Use the button to switch the user titles or track titles, etc. while in the CD/MP3/WMA mode.
- Use the button to scroll the title during the CD-text play, while in the CD/MP3/WMA mode.

[D] button
- Switch the display indication (Main display, Spectrum analyzer display and CT (clock time) display).
- Press and hold the button for 1 second or longer (do not over 4 seconds) to enter the display adjust mode.
- Press and hold the button for 4 seconds or longer to turn off the display while in the usual play.

[IR RECEIVER]
- Receiver for remote control unit. (Operating range: 30˚ in all directions)

[BND] button
- Switch the band, or seek tuning or manual tuning while in the radio mode.
- Play a first track while in the CD/MP3/WMA mode.
- Press the button to change the character.

[UP], [DN] buttons
- Select the folder while in the MP3/WMA mode.

[DIRECT] buttons
- Store a station into memory or recall it directly while in the radio mode.

[RDM] button
- Perform random play while in the CD/MP3/WMA mode.
- Press and hold the button for 1 second or longer to perform folder random play while in the MP3/WMA mode.

[RPT] button
- Repeat play while in the CD/MP3/WMA mode.
- Press and hold the button for 1 second or longer to perform folder repeat play while in the MP3/WMA mode.

[SCN] button
- Perform scan play for 10 seconds of each track while in the CD/MP3/WMA mode.
- Press and hold the button for 1 second or longer to perform folder scan play while in the MP3/WMA mode.

[SRC] button
- Press the button to turn on the power. Press and hold the button for 1 second or longer to turn off the power.
- Switch the operation mode among the radio mode, etc.

[TA] button
- Use the button to set the TA (Traffic Announcement) standby mode.

[A-M] button
- Use the button to switch to the audio mode (bass/treble, balance/fader)
- Press and hold for 1 second or longer to turn on or off the MAGNA BASS EXTEND mode.

[◀◀, ▶▶] lever
- Select a station while in the radio mode or select a track while in the CD/MP3/WMA mode. This lever is used to make various settings.
- Press the lever upward or downward and hold in position for 1 second or longer to enter the fast-forward or fast-backward mode.

[CD SLOT]
- CD insertion slot.

Major Button Operations When External Equipment is Connected to This Unit

●When the CD/DVD changer / iPod interface is connected

∗ For details, see the section "**CD Changer Operations**". For the DVD changer, refer to the Owner's Manual provided with the DVD changer. For the iPod interface, refer to the Owner's Manual provided with the iPod interface.

∗ Hereinafter, "iPod interface" is abbreviated as iPod BB.

[▶II] button
- Play or pause a CD, DVD or iPod BB.

[T] button
- Press the button, switches the user titles or track titles, etc. while in the CD changer mode.
- Use the button to input a title in the CD changer mode.
- Use the button to scroll the title during CD-text play.

[BND] button
- Move the next disc in increasing order.

[UP], [DN] buttons
- Select the disc.

[RDM] button
- Perform random play. Also perform disc random play when the button is pressed and held.

[RPT] button
- Perform repeat play. When this button is pressed and held, disc repeat play is performed.

[SCN] button
- Perform scan play for 10 seconds of each track. Disc scan play is performed when the button is pressed and held.

[◀◀, ▶▶] lever
- Select a track when listening to a disc.
- Press the lever upward or downward and hold in position for 1 second or longer to enter the fast-forward or fast-backward mode.

Major Button Operations When External Equipment is Connected to This Unit

Regarding iPod BB (EA-1251E)

The iPod BB allows connection of an iPod that can then be operated in the same way as a 6 disc CD changer.

- When an iPod is connected to the iPod BB, subsequent operations are as performed from the main unit.
- Not all iPod functions can be controlled from the main unit.
- iPod models usable with the iPod BB include models supporting the following software versions:
  … iPod 3rd generation software Ver. 2.2 or later.
  … iPod 4th generation software Ver. 3.0.1 or later.
  … iPod mini software Ver. 1.2 or later.
  … iPod photo (images cannot be displayed).

  * See your iPod Owner's manual regarding what software version is supported by your iPod.

Notes:

- *Scan play cannot be performed with the iPod BB.*
- *In order to operate the iPod like a 6-disc CD changer, a playlist must be constructed beforehand.*
- *When connecting the iPod BB and CD changer, set the address switch on the side of the CD changer to "**2**".*
- *For other precautions, consult the iPod BB Owner's manual.*
- *"**iPod**" is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.*

●When the TV/DAB is connected

∗ For details, see the section "**TV Operations**" or "**Digital Radio/DAB Operations**".

[ADJ] button

- Press and hold the button for 1 second or longer to switch to the TV picture mode or VTR (external) picture mode.

[▶II] button

- Perform preset scan while in the TV mode. When the button is pressed and held, auto store is performed. (This function is only TV tuner.)
- Perform service scan while in the DAB mode.

[BND] button

- Switch the band.
- When the button is pressed and held, switch seek tuning or manual mode.

[DIRECT] buttons

- Store a station into memory or recall it directly.

[TA] button

- Use the button to set the TA (Traffic Announce-ment) standby mode in the DAB mode. (This function is only DAB tuner.)

[I◀◀, ▶▶I] lever

- Select a station.

Display Items

Background indication

- Motion image (1 pattern), wallpaper (5 patterns) (Page 25)
- Demo mode with screen saver (Page 25)

Operation status indication

Titles, Spectrum analyzer, CT (clock time) are displayed.

■ **Displayed when changing source**

TUNER	: Radio mode
DAB	: DAB mode
CD/MP3	: CD/MP3 mode
CD A/C1	: CD changer (iPod BB) mode * When connecting iPod BB.
CD A/C1 (2, 3, 4)	: CD changer mode
DVD A/C	: DVD changer mode
TV	: TV mode
VTR	: VTR mode
AUX	: AUX mode
ACCESORY	: Accesory mode
TELEPHONE	: Telephone mode

DAB	: DAB indication
INFO	: Information indication for DAB
A-VOL	: AUTO VOL indication
MB	: MAGNA BASS EXTEND indication
Z3	: Z-ENHANCER 1, 2, 3
ST	: ST (radio only), MP3, WMA indication
MANU	: Manual indication
AF	: Alternative frequency indication
REG	: Regional indication
TA	: Traffic announcement indication
TP	: Traffic programme indication
PTY	: Programme type indication

Display Items

Displays icon corresponding to playback or selection.
Operation status indication
Band / disc No. / folder No. indication
Preset channel / track No. indication
Receiving frequency or channel / play time indication
DAB INFO A·VOL MB 23
ST MANU AF REG TA TP PTY

Items within parentheses ( ) are displayed during operation as the "**Operation status indication**".

• **P.SCAN (PRESET SCN)**	: Preset scan
• **AS (AUTO STORE)**	: Auto store
• **S.SCAN (S-SCAN)**	: Service scan
• **SCAN (TRACK SCAN)**	: Track scan
• **RPT (TRACK RPT)**	: Track repeat
• **RDM (TRACK RDM)**	: Track random
• **D.SCAN (DISC SCAN)**	: Disc scan
• **D.RPT (DISC RPT)**	: Disc repeat
• **D.RDM (DISC RDM)**	: Disc random
• **SCAN (CHAPTER SCN)**	: Chapter scan
• **RPT (CHAPTER RPT)**	: Chapter repeat
• **T.RPT (TITLE RPT)**	: DVD title repeat
• **F.SCAN (FOLDER SCN)**	: Folder scan
• **F.RPT (FOLDER RPT)**	: Folder repeat
• **F.RDM (FOLDER RDM)**	: Folder random

■ Displayed when changing titles

USER	: Radio / TV user title : CD user title
PS NAME	: RDS PS name
PTY NAME	: RDS PTY name
S-LABEL	: DAB S-LABEL
DISC	: CD-TEXT disc title
ARTIST	: CD-TEXT artist title
TRACK	: CD-TEXT track title
FOLDER	: MP3 folder name
TRACK	: MP3 file name
ALBUM	: MP3 album tag
ARTIST	: MP3 artist tag
TITLE	: MP3 title tag

■ Example of spectrum analyzer display (Page 25)

Spectrum analyzer display-1

Spectrum analyzer display-2

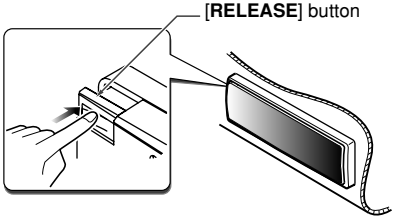
4. DCP

The control panel can be detached to prevent theft. When detaching the control panel, store it in the DCP (DETACHABLE CONTROL PANEL) case to prevent scratches.

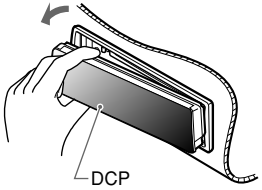
We recommend taking the DCP with you when leaving the car.

Removing the DCP

1. With the SLOPING CONSOLE closed, turn off the power.
2. Press the [**RELEASE**] button deeply to open the DCP.



3. Pull the DCP toward you and remove it.

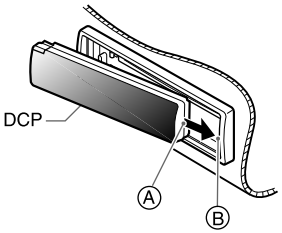


⚠CAUTION

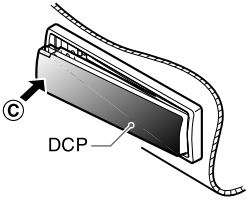
- **Always close the SLOPING CONSOLE before removing the DCP.**
- **If you remove the DCP with the SLOPING CONSOLE open, the SLOPING CONSOLE closes immediately. Be careful not to get your fingers caught.**

Attaching the DCP

1. Insert the DCP so that the Ⓐ section on the right side of the DCP catches on the hook Ⓑ on the unit.



2. Press the left side Ⓒ of the DCP carefully to fit it in place.



⚠CAUTION

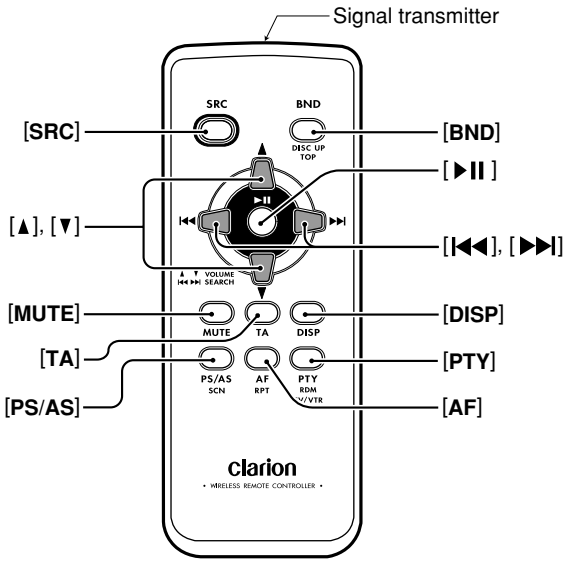
- **The DCP can easily be damaged by shocks. After removing it, be careful not to drop it or subject it to strong shocks.**
- **If the [RELEASE] button is pressed and the DCP is not locked into place, it may fall out from vibration of the car. This can break the DCP, so after removing it, either install it on the unit or put it in its DCP case.**
- **The connector connecting the unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.**

Note:

- *If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.*

English

5. REMOTE CONTROL



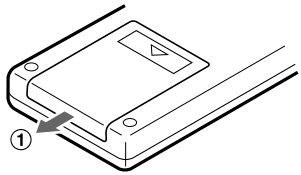
Inserting the Battery

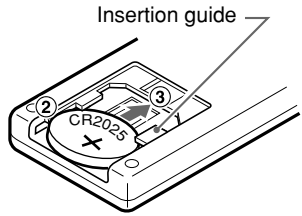
① Turn over the remote control unit and slide the cover in the direction indicated by the arrow in the illustration.

② Insert the battery (CR2025) into the insertion guides, with the printed side (+) facing upwards.

③ Press the battery in the direction indicated by the arrow so that it slides into the compartment.

④ Replace the cover and slide in until it clicks into place.





Notes:

Misuse may result in rupture of the battery, producing leakage of fluid and resulting in personal injury or damage to surrounding materials. Always follow these safety precautions:

- *Use only the designated battery .*
- *When replacing the battery, insert properly, with +/– polarities oriented correctly.*
- *Do not subject battery to heat, or dispose of in fire or water. Do not attempt to disassemble the battery.*
- *Dispose of used batteries properly.*

Functions of the Remote Control Unit Buttons

Mode / Button	Radio (RDS) /DAB	CD/MP3/WMA	CD changer DVD changer iPod BB	TV
[**SRC**]	Switches among radio, DAB, iPod BB, CD/MP3/WMA, CD changer, DVD changer, TV and AUX. Press to cancel a traffic announcement broadcast, an emergency broadcast, and a PTY broadcast during a TA, ALARM or PTY interrupt.			
[**BND**]	Switches reception band.	Returns to the first track.	Moves the next disc in increasing order.	Switches reception band.
[▲] , [▼]	Increases and decreases volume (in all modes).			
[⏮] , [⏭]	Moves preset channels up and down.	Moves tracks up and down. When pressed and held for 1 second or longer: Fast-forward/fast-rewind.		Moves preset channels up and down.
[⏯]	No function.	Switches between playback and pause.		No function.
[**MUTE**]	Turns mute on and off.			
[**TA**]	TA on and off. Press to cancel a traffic announcement broadcast during a TA interrupt.			
[**DISP**]	Switches among main display, spectrum analyzer display and CT (clock time) display. When pressed and held for 1 second or longer: Switches the titles (except in the DVD changer, TV mode).			
[**PS**/**AS**]	Preset scan. When pressed and held for 2 seconds or longer: Auto store.	Scan play. When pressed and held for 1 second or longer: Folder scan play (MP3/WMA mode).	Scan play. When pressed and held for 1 second or longer: Disc scan play. * Cannot operate via iPod BB.	Preset scan. When pressed and held for 2 seconds or longer: Auto store.
[**AF**]	AF function on and off. When pressed and held for 1 second or longer: REG function on and off	Repeat play. When pressed and held for 1 second or longer: Folder repeat play (MP3/WMA mode).	Repeat play. When pressed and held for 1 second or longer: Disc repeat play.	No function.
	Press to cancel an emergency broadcast during an ALARM interrupt.			
[**PTY**]	PTY mode on and off.	Random play. When pressed and held for 1 second or longer: Folder random play (MP3/WMA mode).	Random play. When pressed and held for 1 second or longer: Disc random play.	Switches between TV and VTR.
	Press to cancel a PTY broadcast during a PTY interrupt.			

* Some of the corresponding buttons on the main unit and remote control unit have different functions.

English

6. OPERATIONS

Basic Operations

Note: *Be sure to read this chapter referring to the front diagrams of chapter "**2. CONTROLS**" on page 5 (unfold).*

⚠CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

Turning on/off the power

Note:

- *Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.*

1. Press the [**SRC**] button.
2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.
3. Press and hold the [**SRC**] button for 1 second or longer to turn off the power for the unit.

Note:

- *The first time this unit is turned on after the wire connections are completed, it must be checked what equipment is connected. When the power is turned on, "**SYSTEM CHECK**" appears in the display. The system check starts within the unit. When the system check is complete, press the [**SRC**] button again.*

Selecting a mode

1. Press the [**SRC**] button to change the operation mode.
2. Each time you press the [**SRC**] button, the operation mode changes in the following order:

   Radio mode ➜ DAB mode ➜ CD/MP3/WMA mode ➜ CD changer (iPod BB) mode ➜ CD changer mode ➜ DVD changer mode ➜ TV mode ➜ AUX mode ➜ Radio mode...

   ∗ External equipment not connected with CeNET is not displayed.

   ∗ If AUX is set in AUX/TEL, AUX mode can be selected.

Adjusting the volume

1. Press the front part of the [**ROTARY**] knob. The knob will pop up.
2. Turning the [**ROTARY**] knob clockwise increases the volume; turning it counterclockwise decreases the volume.

   ∗ The volume level is from 0 (minimum) to 33 (maximum).

Switching the display

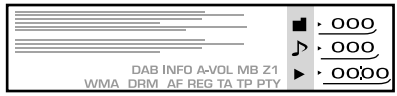
Press the [**D**] button to select the desired display.

● **When the power is turned on.**

1. Each time you press the [**D**] button, the display switches in the following order:

• Main display

• Spectrum analyzer display



• CT(clock time) display

2. Press and hold the [**D**] button for 4 seconds or longer to turn off the display while in the usual play. And press the button to return to the previous mode.

   ∗ Once selected, the preferred display becomes the display default. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display, then revert back to the preferred display several seconds after the adjustment.

   ∗ For information on how to enter a title, refer to the subsection "**Entering titles**" in section "**Operations Common to Each Mode**".

   ∗ When CT data is not received, "**––:––CT**" appears in the display.

Setting the Z-Enhancer

This unit are provided with 3 types of sound tone effects stored in memory. Select the one you prefer.

∗ The factory default setting is "**OFF**".

Each time you press the [**Z**] button, the tone effect changes in the following order:

"OFF" ➜ "BASS BOOST" ➜ "IMPACT" ➜ "EXCITE" ➜ "OFF" ...

- **BASS BOOST** : bass emphasized
- **IMPACT** : bass and treble emphasized
- **EXCITE** : bass and treble emphasized mid deemphasized
- **OFF** : no sound effect

Adjusting the tone

Press the [**A-M**] button and select the item to adjust. Each time you press the [**A-M**] button, the item changes as following order:

- **When "BASS BOOST" is set**

  "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

- **When "IMPACT" is set**

  "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

- **When "EXCITE" is set**

  "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

- **When "OFF" is set**

  "BASS 0" ➜ "TREB 0" ➜ "BALANCE 0" ➜ "FADER 0" ➜ Last function mode.

Adjusting the bass

1. Press the [**A-M**] button and select "**BASS 0**".
2. Turn the [**ROTARY**] knob to adjust the bass.

   BASS : -6 to 7 (The factory default setting is "**0**")
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the treble

1. Press the [**A-M**] button and select "**TREB 0**".
2. Turn the [**ROTARY**] knob to adjust the treble.

   TREBLE : -6 to 6 (The factory default setting is "**0**")
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the balance

1. Press the [**A-M**] button and select "**BALANCE 0**".
2. Turning the [**ROTARY**] knob clockwise emphasizes the sound from the right speaker; turning it counterclockwise emphasizes the sound from the left speaker.

   ∗ The factory default setting is "**0**". (Adjustment range: L13 to R13)
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the fader

1. Press the [**A-M**] button and select "**FADER 0**".
2. Turning the [**ROTARY**] knob clockwise emphasizes the sound from the front speakers; turning it counterclockwise emphasizes the sound from the rear speakers.

   ∗ The factory default setting is "**0**". (Adjustment range: F12 to R12)
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Note:

- *During A-M adjustment mode, if no operation is performed for more than 7 seconds, this mode can be cancelled and return to previous mode.*

Adjusting MAGNA BASS EXTEND

The MAGNA BASS EXTEND does not adjust the low sound area like the normal sound adjustment function, but emphasizes the deep bass sound area to provide you with a dynamic sound.

1. Press and hold the [**A-M**] button for 1 second or longer to turn on the MAGNA BASS EXTEND effect.
2. Press and hold the [**A-M**] button for 1 second or longer to turn off the MAGNA BASS EXTEND effect.
   * The factory default setting is off.

CT (Clock Time) function

The CT function receives CT data sent from an RDS station and displays the time.

* If a CT data is not being received, "**––:––CT**" appears in the display.

Note:

- *CT data is not transmitted in some countries and by some broadcast stations. Also, in some areas, the CT may not display accurately.*

Radio Operations

Listening to the radio

1. Press the [**SRC**] button and select the radio mode. The frequency or PS and PTY appears in the display.
   * PS: Programme service name
   * PTY: Programme type
2. Press the [**BND**] button and select the radio band. Each time the button is pressed, the radio reception band changes in the following order:

   F1 (FM1) ➜ **F2** (FM2) ➜ **F3** (FM3) ➜ **A** (MW/LW) ➜ **F1** (FM1)...
3. Press the [**|◀◀**, **▶▶|**] lever upward or downward to tune in the desired station.

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

There are 2 types of seek tuning: DX SEEK and LOCAL SEEK.

DX SEEK can automatically tune in to receivable broadcast stations; LOCAL SEEK can tune in to only broadcast stations with a good reception sensitivity.

1. Press the [**BND**] button and select the desired band (FM or AM (MW, LW)).
2. Tune into a station.
   * If "**MANU**" is lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" in the display goes off and seek tuning is now available.
   * If "**TA**" is lit in the display, TP stations are automatically sought.

● DX SEEK

Press the [**|◀◀**, **▶▶|**] lever upward or downward to start automatic station tuning.

When the lever is pressed upward, search will be performing in the direction of higher frequencies. When the lever is pressed downward, search will be performed in the direction of lower frequencies.

* When seek tuning starts, "**DX SEEK**" appears in the display.

●**LOCAL SEEK**

If the lever is pressed upward or downward and held in position for 1 second or longer, local seek tuning will be enabled. Broadcast stations with good reception sensitivity are selected.

∗ When local seeking starts, "**LO SEEK**" appears in the display.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In the quick tuning mode, you can quickly tune the desired frequency.

1. Press the [**BND**] button and select the desired band (FM or AM (MW/LW)).
   ∗ If "**MANU**" is not lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" is lit in the display and manual tuning is now available.
2. Tune into a station.

●**Quick tuning:**

Press the [**|◀◀**, **▶▶|**] lever upward or downward and hold in position for 1 second or longer to begin station tuning.

●**Step tuning:**

Press the [**|◀◀**, **▶▶|**] lever upward or downward to perform manual tuning.

∗ If no operation is performed for more than 7 seconds, manual tuning is cancelled and the display returns to the previous mode.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exists to store individual radio stations in memory. Pressing the corresponding [**DIRECT**] button recalls the stored radio frequency automatically.

1. Press the [**BND**] button and select the desired band (FM or AM (MW/LW)).
2. Press the corresponding [**DIRECT**] button to recall the stored station.
   ∗ Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store that station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains unoverwritten at the memory position.

1. Press the [**BND**] button and select the desired band (FM or AM (MW/LW)).
2. Press and hold the [**▶II**] button for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.
   ∗ If auto store is performed in the FM bands, the stations are stored in FM3 even if FM1 or FM2 was chosen for storing stations.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [**▶II**] button.
2. When a desired station is tuned in, press the [**▶II**] button again to continue receiving that station.

Note:

*• Be careful not to press and hold the [**▶II**] button for 2 seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.*

RDS Operations

RDS (Radio Data System)

This unit has a built-in RDS decoder system that supports broadcast stations transmitting RDS data.

This system can display the name of the broadcast station being received (PS) and can automatically switch to the broadcast station with the best reception as you move long distances (AF switching).

Also, if a traffic announcement or programme type is broadcast from an RDS station, no matter what mode you are in, this broadcast is received.

Additionally, if EON information is received, this information enables automatic switching of other preset stations on the same network and interruption of the station being received with traffic information from other stations (TP). This function is not available in some areas.

When using the RDS function, always set the radio to FM mode.

- AF : Alternative Frequency
- PS : Programme Service Name
- PTY : Programme Type
- EON : Enhanced Other Network
- TP : Traffic Programme

∗ RDS interrupt does not function during AM radio reception or in TV mode.

∗ When set receives RDS signal, and can read PS data, PS appears in the display.

AF function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.

∗ The factory default setting is "**ON**".

1. Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ AF**".
3. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

   ● ON:
   "**AF**" in the display lights and AF function turns on.

   ● OFF:
   "**AF**" in the display goes off and AF function turns off.
4. Press the [**ADJ**] button to return to the previous mode.

∗ If the reception of the current broadcast station deteriorates, "**PI SEARCH**" appears in the display and the radio searches for the same programme on another frequency.

● AF function between RDS and DAB

When the same programme is broadcasted by both RDS and DAB, and this function is ON, the unit switches to receive the broadcast with the better reception automatically.

∗ This function only operates when the DAH923 or DAH913 DAB unit, sold separately, is connected.

∗ This factory default setting is "**ON**".

1. Press the [**ADJ**] button to switch to the adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ LINK ACT**".
3. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

   ● ON:
   AF switching between DAB and RDS enabled.

   ● OFF:
   AF switching between DAB and RDS disabled.
4. Press the [**ADJ**] button to return to the previous mode.

REG (Regional programme) function

When the REG function is ON, the optimum regional station can be received. When this function is OFF, if the regional station area switches as you drive, a regional station for that region is received.

∗ The factory default setting is "**OFF**".

Notes:

- *This function is disabled when a national station such as BBC R2 is being received.*
- *The REG function ON/OFF setting is valid when the AF function is ON.*

1. Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ REG**".
3. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

   ● ON:
   "**REG**" in the display lights and REG function turns on.

   ● OFF:
   "**REG**" in the display goes off and REG function turns off.
4. Press the [**ADJ**] button to return to the previous mode.

Manually tuning a regional station in the same network

1. This function is valid when the AF function is ON and the REG function is OFF.

Note:

- *This function can be used when a regional broadcast of the same network is received.*

2. Press any one of the [**DIRECT**] buttons to call out the regional station.
3. If the reception condition of the called out station is bad, press the [**DIRECT**] button of the same number. The unit receives a local station on the same network.

TA (Traffic Announcement)

In the TA standby mode, when a traffic announcement broadcast starts, the traffic announcement broadcast is received as top priority regardless of the function mode so you can listen to it. Traffic programme (TP) automatic tuning is also possible.

∗ This function can only be used when "**TP**" is lit in the display. When "**TP**" is lit, this means that the RDS broadcast station being received has traffic announcement programmes.

●Setting the TA standby mode

If you press the [**TA**] button when only "**TP**" is lit in the display, "**TP**" and "**TA**" light in the display and the unit is set into the TA standby mode until a traffic announcement is broadcast. When a traffic announcement broadcast starts, "**TRA INFO**" appears in the display. If you press the [**TA**] button while a traffic announcement broadcast is being received, the traffic announcement broadcast reception is cancelled and the unit goes into the TA standby mode.

●Cancelling the TA standby mode

As "**TP**" and "**TA**" lit in the display, press the [**TA**] button. The "**TA**" in the display goes off and the TA standby mode is cancelled.

∗ If "**TP**" is not lit, pressing the [**TA**] button searches for a TP station.

●Searching for a TP station

When "**TP**" is not lit, if you press the [**TA**] button, "**TA**" in the display lights and the unit automatically receives a TP station.

Note:

- *If a TP station is not received, the unit continues the search operation. Pressing [**TA**] button again goes off "**TA**" in the display and stops TP station searching.*

Auto store function for TP stations

You can automatically store up to 6 TP stations into preset memory. If the number of TP can be received less than 6, broadcast stations already stored in memory and left without being overwritten.

As "**TA**" lit in the display, press and hold the [▶II] button for 2 seconds or longer. The TP stations with the good reception sensitivity are stored into preset memory.

∗ Even if you select FM1 or FM2, a TP station is stored into memory for FM3.

PTY

This function enables you to listen to a broadcast of the selected programme type even if the unit is on a function mode other than radio.

∗ Some countries do not yet have PTY broadcast.

∗ In the TA standby mode, a TP station has priority over a PTY broadcast station.

∗ The factory default setting is "**OFF**".

1. Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.
2. Press the [**I◀◀**, **▶▶I**] lever upward or downward to select "**▲▼ PTY**".
3. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

   ●ON:
   "**PTY**" in the display lights and PTY standby mode is turned on. When the selected PTY broadcast starts, the PTY item name appears in the display.

   ●OFF:
   "**PTY**" in the display goes off and PTY standby mode is cancelled.

4. Press the [**ADJ**] button to return to the previous mode.

●Cancelling a PTY interrupt broadcast

Press the [**TA**] button during the PTY interrupt broadcast, the PTY interrupt is cancelled and the unit returns to PTY standby mode.

Selecting PTY

1. Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.
2. Press the [**I◀◀**, **▶▶I**] lever upward or downward to select "**▲▼ PTY SEL** **PUSH ENT** ".
3. Press the [▶II] button.

4. Press any one of the [**DIRECT**] buttons. Alternatively, turn the [**ROTARY**] knob to select the desired PTY.
5. Press the [**ADJ**] button to return to the previous mode.

∗ Below are the factory default settings stored for the [**DIRECT**] buttons.

Preset number	PTY item	
	ENGLISH	**Contents**
1	**News**	News
2	**Info**	Information
3	**Pop M**	Pop Music
4	**Sport**	Sport
5	**Classics**	Serious Classical Music
6	**Easy M**	Easy Listening Music

∗ The PTY select mode is cancelled automatically 7 seconds after a PTY is selected.

PTY seek

1. Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ PTY SEL** PUSH ENT".
3. Press the [**▶II**] button.
4. Press the [**|◀◀**, **▶▶|**] lever upward to search for a PTY broadcast in the direction of higher frequencies; press the lever downward to search in the direction of lower frequencies.

∗ If no station with the selected PTY broadcast can be received, the unit returns to the PTY select mode.

PTY preset memory

1. Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ PTY SEL** PUSH ENT".
3. Press the [**▶II**] button.
4. Turning the [**ROTARY**] knob to select the desired PTY.

   The 29 types of PTY below can be selected.
5. If you press and hold any one of the [**DIRECT**] buttons for 2 seconds or longer, the selected PTY is stored into that preset channel memory.

PTY item	
ENGLISH	**Contents**
News	News
Affairs	Today's events
Info	Information
Sport	Sports
Educate	Education
Drama	Drama
Culture	Culture
Science	Science
Varied	Variety
Pop M	Pop music
Rock M	Rock music
Easy M	Easy music
Light M	Light music
Classics	Classics
Other M	Other music
Weather	Weather
Finance	Finance
Children	For children
Social	Social
Religion	Religion
Phone In	Phone in
Travel	Travel
Leisure	Leisure
Jazz	Jazz
Country	Country
Nation M	Nation music
Oldies	Oldies
Folk M	Folk music
Document	Documentaries

Emergency broadcast

If an emergency broadcast is received, all the function mode operations are stopped. "**Alarm !**" appears in the display and the emergency broadcast can be heard.

● **Cancelling an emergency broadcast**

If you press the [**TA**] button, emergency broadcast reception is cancelled.

Switching the PTY display language

You can select one of 4 languages (English, German, Swedish or French) for the PTY displayed in the display.

* The factory default setting is "**ENGLISH**".

1. Press the [**ADJ**] button to switch to the adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ LANGUAGE**".
3. Turn the [**ROTARY**] knob to select the desired language.
4. Press the [**ADJ**] button to return to the previous mode.

Volume setting of TA, emergency broadcast (Alarm) and PTY

The volume for TA, Alarm and PTY interrupts can be set during TA, Alarm or PTY interrupt.

* The factory default setting is "**15**".

During a TA, Alarm or PTY interrupt, turn the [**ROTARY**] knob to set the volume to the desired level (0 to 33).

* When the TA, Alarm or PTY interrupt ends, the volume returns to the level it had before the interrupt.

CD/MP3/WMA Operations

MP3/WMA

What is MP3?

MP3 is an audio compression method and classified into audio layer 3 of MPEG standards. This audio compression method has penetrated into PC users and become a standard format.

This MP3 features the original audio data compression to about 10 percent of its initial size with a high sound quality. This means that about 10 music CDs can be recorded on a CD-R disc or CD-RW disc to allow a long listening time without having to change CDs.

What is WMA?

WMA is the abbreviation of Windows Media Audio, an audio file format developed by Microsoft Corporation.

Notes:

- *If you play a file with DRM (Digital Rights Management) for WMA remaining ON, no audio is output. (The WMA indicator blinks.)*
- *Windows Media™, and the Windows ® logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.*

● **To disable DRM (Digital Rights Management):**

1. When using Windows Media Player 8, click on TOOLS ➜ OPTIONS ➜ COPY MUSIC tab, then under COPY SETTINGS, unclick the check box for PROTECT CONTENT. Then, reconstruct files.
2. When using Windows Media Player 9, click on TOOL ➜ OPTIONS ➜ MUSIC RECORD tab, then under Recording settings, unclick the Check box for RECORD PROTECTED MUSIC. Then, reconstruct files.

   Personally constructed WMA files are used at your own responsibility.

Precautions when creating MP3/WMA disc

● **Usable sampling rates and bit rates:**

1. MP3: Sampling rate 11.025 kHz-48 kHz, Bit rate: 8 kbps-320 kbps / VBR
2. WMA: Bit rate 48 kbps-192 kbps

● **File extensions**

1. Always add a file extension "**.MP3**" or "**.WMA**" to MP3 or WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension , the file cannot be played.

English

2. Files without MP3/WMA data will not play. The indication "**—:—**" appears in the play time display if you attempt to play files without MP3/WMA data.

● **Logical format (File system)**

1. When writing MP3/WMA file on a CD-R disc or CD-RW disc, please select "ISO9660 level 1, 2 or JOLIET or Romeo" as the writing software format. Normal play may not be possible if the disc is recorded on another format.
2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 64 single byte alphabetical letters and numerals (including an extension).
3. Do not affix a name to a file inside a folder having the same name.

● **Folder structure**

1. A disc with a folder having more than 8 hierarchical levels will be impossible.

● **Number of files or folders**

1. Up to 255 files can be recognized per folder. Up to 500 files can be played.
2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC.)
3. Some noise may occur depending on the type of encoder software used while recording.

Multisession function

When a disc contains both normal CD type tracks and MP3/WMA type tracks mixedly, you can select which type of the recorded tracks to play.

● Default value is **"CD".**

Each time you press and hold the [**BND**] button for 1 second or longer, the mixed mode is switched between CD type or MP3/WMA type. The following indication appears in the title display when switching the track type to be played.

● **Display when CD type track is selected:** *M-SESS CD*

● **Display when MP3/WMA type track is selected:** *M-SESS MP3*

1. Types of recording that can be played are as follows.

Setting / Disc	Set to CD	Set to MP3/WMA
Mixed with CD and MP3/WMA type tracks	Play CD	Play MP3/WMA
CD type track only	Play CD	Play CD
MP3/WMA type track only	Play MP3/WMA	Play MP3/WMA

2. After making these settings, remove the disc and then reinsert it.
3. When a mixed mode CD is loaded and CD is set, the track to be played first is MP3/WMA file data and no sound is heard.

Note:

• When playing a CCCD (Copy Control CD), set the setting to CD type. When this is set to MP3/WMA type, the CD cannot be played normally in some cases.

Backup Eject function

1. Press the [⏏] button. The SLOPING CONSOLE opens and a CD ejects. "**EJECT**" appears in the display.

⚠CAUTION

Be careful not to get your fingers caught when opening and closing the SLOPING CONSOLE.

2. Remove the CD and press the [⏏] button to close the SLOPING CONSOLE.

Notes:

• Be sure to close the SLOPING CONSOLE after removing the CD.
• The SLOPING CONSOLE closes automatically 30 seconds after removing the CD.
• If a CD (12 cm) is left in the ejected position for 15 seconds, the CD is automatically reloaded. (Auto reload)
• 8 cm CDs are not auto reloaded. Be sure to remove it when ejected.
• If you force a CD into before auto reloading, this can damage the CD.

Listening to a disc already loaded in the unit

Press the [**SRC**] button to select the CD/MP3/WMA mode.

When the unit enters the CD/MP3/WMA mode, play starts automatically.

If there is no disc loaded, the indication "**NO DISC**" appears in the title display.

∗ The mode changes each time the [**SRC**] button is pressed. (Modes are not displayed for equipment that is not connected.)

Radio ➜ (DAB) ➜ CD/MP3/WMA ➜ (CD changer (iPod BB)) ➜ (CD changer) ➜ (DVD changer) ➜ (TV) ➜ AUX ➜ Radio...

Loading a CD

1. Press the [⏏] button. The SLOPING CONSOLE opens.
2. Insert a CD into the center of the CD SLOT with the labeled side facing up. The CD plays automatically after loading.

Notes:

- *Never insert foreign objects into the CD SLOT.*
- *If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.*
- *Discs not bearing the COMPACT disc DIGITAL AUDIO or COMPACT disc DIGITAL AUDIO TEXT mark and CD-ROMs cannot be played by this unit.*
- *Some CDs recorded in CD-R/CD-RW mode may not be usable.*

Loading 8 cm compact discs

∗ No adapter is required to play an 8 cm CD.

∗ Insert the 8 cm CD into the center of the insertion slot.

⚠CAUTION

Be careful not to catch your hand or fingers while closing the SLOPING CONSOLE.

3. After loading a CD, the SLOPING CONSOLE closes automatically.

Notes:

- *Note that SLOPING CONSOLE closes immediately after a CD is inserted into CD insertion slot.*
- *If no CD is loaded in the SLOPING CONSOLE, it closes after 30 seconds.*

Pausing play

1. Press the [▶II] button to pause play. "**PAUSE**" appears in the display.
2. To resume CD play, press the [▶II] button again.

Displaying CD titles

This unit can display title data for CD-text/MP3/WMA disc and user titles input with this unit.

1. Press the [**D**] button to display the title.
2. Each time you press the [**T**] button, the title display changes in the following order:

● **CD-TEXT disc**

User title (disc) ➜ CD-text title (disc) ➜ Artist name ➜ CD-text title (track) ➜ User title (disc)...

● **MP3/WMA disc**

Folder ➜ Track ➜ Album TAG ➜ Artist TAG ➜ Title TAG ➜ Folder...

Note:

- *If the CD playing is not a CD-text CD or no user title has been input, "U" appears in the display.*
- *If MP3/WMA disc is not input TAG, "A" appears in the display.*
- *For MP3, supports ID3 Tags V2.3 / 2.2 / 1.1 / 1.0.*
- *Tag displays give priority to V2.3 / 2.2*
- *In the case of album Tags for WMA, the information written into the extension header is displayed.*
- *Only ASCII characters can be displayed in Tags.*

Selecting a track

●**Track-up**

1. Press the [⏮, ⏭] lever upward to move to the beginning of the next track.
2. Each time the [⏮, ⏭] lever is pressed upward, playback proceeds to another track in the advancing direction.

●**Track-down**

1. Press the [⏮, ⏭] lever downward to move the beginning of the current track.
2. Press the [⏮, ⏭] lever downward twice to move to the beginning of the previous track.

Fast-forward/fast-backward

●**Fast-forward**

Press the [⏮, ⏭] lever upward and hold in position for 1 second or longer.

●**Fast-backward**

Press the [⏮, ⏭] lever downward and hold in position for 1 second or longer.

∗ For MP3/WMA disc, it takes some time until the start of searching and between tracks. In addition, the playing time may have a margin of error.

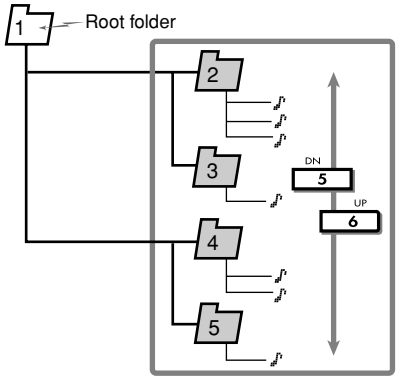
Folder Select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.

1. Press the [**DN**] or [**UP**] button.

   Press the [**DN**] button to move the previous folder.

   Press the [**UP**] button to move the next folder.



∗ Press the [**UP**] button while in the final folder to shift to the first folder.

∗ Folder without an MP3/WMA file is not selectable.

2. To select a track, press the [**|◀◀**, **▶▶|**] lever upward or downward .

Top function

The top function resets the CD player to the first track of the disc. Press the [**BND**] button to play the first track (track No. 1) on the disc.

∗ In case of MP3/WMA, the first track of a folder being played will be returned.

Other various play functions

● Scan play

This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.

1. Press the [**SCN**] button to perform scan play.

   "**SCAN**" appears in the display.

   ∗ Scan play starts from the next track after the track currently being played.

● Folder scan play

This function allows you to locate and play the first 10 seconds of the first track of all the folders on an MP3/WMA disc.

1. Press and hold the [**SCN**] button for 1 second or longer to perform folder scan play.

   "**F.SCAN**" appears in the display.

   ∗ Folder scan play starts from the next folder after the folder currently being played.

● Repeat play

This function allows you to play the current track repeatedly.

1. Press the [**RPT**] button to perform repeat play.

   "**RPT**" appears in the display.

● Folder repeat play

This function allows you to play a track currently being played in the MP3/WMA folder repeatedly.

1. Press and hold the [**RPT**] button for 1 second or longer to perform folder repeat play.

   "**F.RPT**" appears in the display.

● Random play

This function allows you to play all tracks recorded on a disc in a random order.

1. Press the [**RDM**] button to perform random play.

   "**RDM**" appears in the display.

● Folder random play

This function allows you to play all the tracks of all the folders recorded on an MP3/WMA disc in a random order.

1. Press and hold the [**RDM**] button for 1 second or longer to perform folder random play.

   "**F.RDM**" appears in the display.

● To cancel play

1. Press the operating button previously selected.

To change display setting

1. Press and hold the [**D**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select the "**item name**".
   "BGV" ↔ "S-A PTN"↔ "S-A SENS" ↔ "S-A SPEED" ↔ "POWER MSG"↔ "SCRN SVR" ↔ "MSG INPUT" ↔ "AUTO SCRL" ↔ "DIMMER IN" ↔ "DIMMER"
3. Turn the [**ROTARY**] knob to select the "**desired setting value**".
   * In the case of item names appearing with the "**PUSH ENT**" suffix, after the item name, the [▶II] button must be pressed to display the setting value.
   * After completing settings, press the [**D**] button to return to the previous mode.

● Setting the background vision

The background vision includes 5 wallpaper images and 1 motion pictures.

Choose "**SCAN**" to automatically display all the wallpaper.

* The factory default setting is "**SCAN**".

2-1. Select "**▲▼ BGV**".

3-1. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"SCAN" ➜ "MOVIE" ➜ "WALL 1" ➜ "WALL 2" ➜ "WALL 3" ➜ "WALL 4" ➜ "WALL 5" ➜ "OFF"

● Setting the spectrum analyzer pattern

* The factory default setting is "**PTN 1**"

2-1. Select "**▲▼ S-A PTN**".

3-1. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"PTN 1" ➜ "PTN 2"

● Setting the sensitivity of the spectrum analyzer

This function allows you to adjust the sensitivity of the spectrum analyzer.

* The factory default setting is "**MID**"

2-1. Select "**▲▼ S-A SENS**".

3-1. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"HIGH" ➜ "MID" ➜ "LOW"

● Setting the speed of the spectrum analyzer

This function allows you to adjust the speed of the spectrum analyzer.

* The factory default setting is "**HIGH**"

2-1. Select "**▲▼ S-A SPEED**".

3-1. Turn the [**ROTARY**] knob to select the setting.

Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"HIGH" ➜ "MID" ➜ "LOW"

● Setting the power message display

When the unit is powered on or off, a message is displayed.

The user can turn this message display "**ON**" or "**OFF**".

* The factory default setting is "**ON**".

2-1. Select "**▲▼ POWER MSG**"

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

● Turning the screen saver function on or off

This unit is provided with the screen saver function which allows you to show various kinds of patterns and characters in the operation status indication area of the display in a random order. You can turn on or off this function.

If the button operation is performed with the screen saver function on, the operation display corresponding to the button operation is shown for about 30 seconds and the display returns to the screen saver display.

* The factory default setting is "**DEMO**".

2-1. Select "**▲▼ SCRN SVR**".

3-1. Turn the [**ROTARY**] knob to select the setting. Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"OFF" ➜ "MSG INFO" ➜ "DEMO"

● Entering MESSAGE INFORMATION

Message up to 30 characters long can be stored in memory and displayed for any mode.

* The factory default setting is "**Welcome to Clarion**".

2-1. Select "▲▼ **MSG INPUT** PUSH ENT".

3-1. Press the [▶II] button.

3-2. Press the [I◀◀, ▶▶I] lever upward or downward to move the cursor.

3-3. Press the [**BND**] button to select a character. Each time you press the [**BND**] button, the character changes in the following orders:

Capital letters ➜ Small letters ➜ Numbers/ Symbols ➜ Umlaut ➜ Capital letters…

3-4. Turn the [**ROTARY**] knob to select the desired character.

3-5. Repeat step 3-2 to 3-4 to enter up to 30 characters for message.

3-6. Press and hold the [▶II] button for 2 seconds or longer to store the message in memory and cancel input message mode.

∗ Press and hold the [**BND**] button for 1 second or longer to cancel the input message. Then press and hold the [▶II] button for 2 seconds or longer to store the message and the message return to default setting.

● Setting the method for title scroll

Set how to scroll in CD-TEXT, MP3/WMA title.

∗ The factory default setting is "**ON**".

2-1. Select "▲▼ **AUTO SCRL"**.

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

• **ON:**

To scroll automatically.

• **OFF:**

To scroll just 1 time when the title was changed or the [**T**] button was pressed for 1 second or longer.

Note:

• User title can't scroll.

● Setting the auto-dimmer

This function allows you to dim the lighting of the display matched to the illumination or the brightness inside your vehicle.

∗ The factory default setting is "**AUTO**".

2-1. Select "▲▼ **DIMMER IN**".

3-1. Turn the [**ROTARY**] knob to select "**AUTO**" or "**ILLUMI**".

• **AUTO:**

Interlocked to the brightness inside your vehicle.

• **ILLUMI:**

Interlocked to the illumination inside your vehicle.

● Setting the dimmer control

You can set the dimmer control "**ON**" or "**OFF**".

∗ The factory default setting is "**ON**".

2-1. Select "▲▼ **DIMMER**".

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

To change other settings

1. Press the [**ADJ**] button to switch to the adjustment selection display.
2. Press the [I◀◀, ▶▶I] lever upward or downward to select the "**item name**".

   Each time the [I◀◀, ▶▶I] lever is pressed up/down, the item display changes in the following order:

   "BLINK LED" ↔ **"AMP CANCEL"** ↔ **"LINK ACT"** ↔ **"LANGUAGE"** ↔ **"AUX/TEL"** ↔ **"AUX SENS"** ↔ **"TEL-SP"** ↔ **"TEL-SW"** ↔ **"CALIBRATE"** ↔ **"A-VOL"** ↔ **"SYSTEM"**
3. Turn the [**ROTARY**] knob to select the "**desired setting item**".

   ∗ After completing settings, press the [**ADJ**] button to return to the previous mode.

● Anti-theft indicator

The red Anti-theft indicator is a function for preventing theft. When the DCP is removed from the unit, this indicator blinks.

∗ The factory default setting is "**OFF**".

2-1. Select "▲▼ **BLINK LED**".

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

● Setting the external amplifier

∗ The factory default setting is "**OFF**".

2-1. Select "▲▼ **AMP CANCEL"**.

3-1. Turn the [**ROTARY**] knob to select "**ON**" or "**OFF**".

• **ON:**

Use with connected AMP.

• **OFF:**

Use with inside AMP.

● Selecting AUX/TEL

You can listen to sounds and music from external devices or your telephone calls from the speakers when connected to this unit.

When TEL INT or External device is connected to this unit, you can select TEL mode or AUX mode.

∗ The factory default setting is "**AUX**".

2-1. Select "▲▼ **AUX/TEL**".

3-1. Turn the [**ROTARY**] knob to select "**AUX**" or "**TEL**".

• **AUX** :

AUX/TEL input cable is for external Audio input.

• **TEL** :

AUX/TEL input cable is for cellular phone audio input.

● Selecting AUX IN sensitivity

Make the following settings to select the sensitivity when sounds from external devices connected to this unit are difficult to hear even after adjusting the volume.

∗ The factory default setting is "**MID**".

2-1. Select "▲▼ **AUX SENS**".

3-1. Turn the [**ROTARY**] knob to select "**LOW**", "**MID**" or "**HIGH**".

● Setting the car speaker output for the cellular phone

∗ The factory default setting is "**RIGHT**".

∗ To output the telephone calls, set the cellular phone interrupt to ON.

2-1. Select "▲▼ **TEL-SP**".

3-1. Turn the [**ROTARY**] knob to select "**RIGHT**" or "**LEFT**".

• **RIGHT:**

Telephone calls can be heard on the front right speaker connected to this unit.

• **LEFT:**

Telephone calls can be heard on the front left speaker connected to this unit.

● Cellular phone interrupt setting

If you connect this unit and your cellular phone with a separately sold cable, you can listen to your telephone calls on your car speakers.

∗ The factory default setting is "**OFF**".

2-1. Select "▲▼ **TEL-SW**".

3-1. Turn the [**ROTARY**] knob to select the setting. Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

"**OFF**" ➜ "**ON**" ➜ "**MUTE**" ➜ "**OFF**"...

• **OFF:**

This unit continues normal operation even when the cellular phone is used.

Note:

• If connecting a hands-free kit, please ensure the setting is ON to receive the telephone audio through the system.

• **ON:**

You can listen to your telephone calls from the speakers connected to this unit.

∗ When listening to your calls on your car speakers, you can adjust the volume by turning the [**ROTARY**] knob.

• **MUTE:**

The sound from this unit is muted during telephone calls.

● Setting auto volume

2-1. Select "▲▼ **CALIBRATE** PUSH ENT".

3-1. Press the [▶II] button and "**START**" is displayed.

3-2. Keep driving speed 50km/h and press the [▶II] button.

3-3. "**CALIBRATION**" is flush for 2 seconds in display.

3-4. If calibration is successful display indicate "**SUCCESSFUL**", or if calibration is not successful display indicate "**FAILED**".

3-5. If you failed, repeat steps 3-1 to 3-4.

Note:

• When installing this device or transferring it into another vehicle, for the sake of safety, always have this work done by the store of purchase or your nearest Clarion dealer. Installation requires specialized techniques and experience.

● Setting auto volume sensitivity

2-1. Select "▲▼ **A-VOL**".

3-1. Turn the [**ROTARY**] knob to make the adjustment.

The adjustment steps are below 6 steps, "**LOW**" ➜ "**MID-LOW**" ➜ "**MID**" ➜ "**MID-HIGH**" ➜ "**HIGH**" ➜ "**OFF**"

Note:

*• As calibration is successful display and "**SUCCESSFUL**" lights up in the display, "**A-VOL**" can be selected.*

● Performing a system check

2-1. Select "▲▼ **SYSTEM** PUSH ENT".

3-1. Press and hold the [▶II] button for 1 second or longer.

"**SYSTEM CHECK**" appears in the display, then the unit returns to the previous operation mode.

Setting the button illumination

Press the [**C**] button to select a color type. Each time you press the [**C**] button, the type changes in the following orders:

"**COLOR SCAN**" ➜ "**IndigoBlue**" ➜ "**SurfBlue**" ➜ "**SilkyWhite**" ➜ "**AquaGreen**" ➜ "**FreshGreen**" ➜ "**LeafGreen**" ➜ "**WarmAmber**" ➜ "**PassionRed**" ➜ "**VividPink**" ➜ "**PalePink**" ➜ "**DarkViolet**" ➜ "**PurePurple**" ➜ "**USER 1**" ➜ "**USER 2**" ➜ "**USER 3**" ➜ "**COLOR SCAN**" ...

●Setting COLOR SCAN mode

As selecting "**COLOR SCAN**", the color automatically changes.

∗ The factory default setting is "**COLOR SCAN**".

∗ After 3 seconds the color changes to the other.

●Setting USER mode

The factory default setting is "**RED 8**" (red), "**GREEN 8**" (green), "**BLUE 8**" (blue).

As selecting "**USER 1, 2, 3**", press and hold the [**C**] button for 1 second or longer to enter the setting.

1. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ RED 8**" ➜ "**▲▼ GREEN 8**" ➜ "**▲▼ BLUE 8**".
2. Turn the [**ROTARY**] knob to select from 0 to 8.
3. Press and hold the [**▶||**] button for 2 seconds or longer to store the color in memory and cancel setting mode.

COLOR	RED (red)	GREEN (green)	BLUE (blue)
IndigoBlue	0	0	8
SurfBlue	0	4	8
SilkyWhite	8	8	7
AquaGreen	0	8	2
FreshGreen	0	8	0
LeafGreen	3	8	0
WarmAmber	8	3	0
PassionRed	8	0	0
VividPink	8	0	3
PalePink	8	2	3
DarkViolet	3	0	8
PurePurple	6	0	8
USER 1	8	8	8
USER 2	8	8	8
USER 3	8	8	8

Entering titles

Titles up to 9 characters long can be stored in memory and displayed for CD, CD changer and TV stations. The number of titles that can be entered for each mode are as follows.

Mode	Number of titles
CD mode	50 titles
TV mode	20 titles

CD changer mode	Number of titles
DCZ628 connected	100 titles
CDC655Tz connected	100 titles

1. Press the [**SRC**] button to select the mode you want to enter a title (CD, CD changer or TV).
2. Select and play a CD in the CD changer or tune in to a TV station for which you want to enter the title.
3. Press the [**D**] button and display the main display.
4. Press and hold the [**T**] button for 1 second or longer.
5. Press the [**|◀◀**, **▶▶|**] lever upward or downward to move the cursor.
6. Press the [**BND**] button to select a character. Each time you press the [**BND**] button, the character changes in the following order:

   Capital letters ➜ Small letters ➜ Numbers/ Symbols ➜ Umlaut ➜ Capital letters...
7. Turning the [**ROTARY**] knob to select the desired character.
8. Repeat steps 5 to 7 to enter up to 9 characters for the title.
9. Press and hold the [**▶||**] button for 2 seconds or longer to store the title into memory and cancel title input mode.

Clearing titles

1. Select and play a CD in the CD changer or tune in to a TV station for which you want to clear the title.
2. Press the [**D**] button and display the main display.
3. Press and hold the [**T**] button for 1 second or longer to switch to the title input display.
4. Press and hold the [**BND**] button for 1 second or longer.
5. Press and hold the [**▶||**] button for 2 seconds or longer to clear the title and cancel title input mode.

7. OPERATIONS OF ACCESSORIES

CD Changer Operations

Note:

- *The following operations are the same as for CD mode:*
  - ***Pause***
  - ***Track selection***
  - ***Fast-forward/fast-backward***
  - ***Scan play***
  - ***Repeat play***
  - ***Random play***

*See "**CD/MP3/WMA Operations**" (page 21-24) for details.*

CD changer functions

When an optional CD changer is connected through the CeNET cable, this unit controls all CD changer functions. This unit can control a total of 2 changers.

Press the [**SRC**] button and select the CD changer mode to start play. If 2 CD changers are connected, press the [**SRC**] button to select the CD changer for play.

- If "**NO MAG**" appears in the display, insert the magazine into the CD changer. "**DISC CHECK**" appears in the display while the player loads (checks) the magazine.
- If "**NO DISC**" appears in the display, eject the magazine and insert discs into each slot. Then, reinsert the magazine back into the CD changer.

Note:

- *Some CDs recorded in CD-R/CD-RW mode may not be usable.*

⚠CAUTION

CD-ROM discs cannot be played from every CD changer, it's depended on the model.

Displaying CD titles

This unit can display title data for CD-text CDs and user titles input with this unit.

1. Press the [**D**] button to display the title.
2. Each time you press the [**T**] button, the title display changes in the following order:

   User title (disc) ➜ CD-text title (disc) ➜ Artist name ➜ CD-text title (track) ➜ User title (disc)

Notes:

- *If the CD playing is not a CD-text CD or no user title has been input, "U" appears in the display.*
- *If a CD-text CD is not input its disc title or a track title, "0" or "♪" appears in the display.*

Procedure to scroll a title

Set "**AUTO SCROLL**" to "**ON**" or "**OFF**".

(The factory default setting is "**ON**". Refer to the subsection "**Setting the method for title scroll**" in section "**Operations Common to Each Mode**".)

● When set to "ON"

The title is automatically kept scrolling.

● When set to "OFF"

To scroll just 1 time when the title was changed or the [**T**] button was pressed for 1 second or longer.

Note:

- *User title can't scroll.*

Selecting a CD

The [**DN**] or [**UP**] button correspond to a disc load in the magazine.

Press the [**DN**] or [**UP**] button to select the desired disc.

- If a CD is not loaded in a slot of magazine, "**NO DISC**" appears in the display.

Other various play functions

● Disc scan play

Disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected CD changer. This function continues automatically until it is cancelled.

- Disc scan play is useful when you want to select a desired CD.

1. Press and hold the [**SCN**] button for 1 second or longer. "**D.SCAN**" appears in the display and disc scan play starts.

CD Changer Operations

● Disc repeat play

After all the tracks on the current disc have been played, disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is cancelled.

1. Press and hold the [**RPT**] button for 1 second or longer. "**D.RPT**" appears in the display and disc repeat play starts.

● Disc random play

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is cancelled.

1. Press and hold the [**RDM**] button for 1 second or longer. "**D.RDM**" appears in the display and disc random play starts.

● To cancel play

1. Press the operating button previously selected.

TV Operations

Note:

- *The following operations are performed the same as for radio mode:*
  - ***Channel selection***
  - ***Storing channels in memory***
  - ***Calling channels from memory***
  - ***Auto store***
  - ***Preset scan***

*See "**Radio Operations**" (page 16-17) for details.*

TV tuner functions

When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions. To watch TV requires a TV tuner and monitor.

Watching a TV

1. Press the [**SRC**] button and select the TV mode.
2. Press the [**BND**] button to select the desired TV band (TV1 or TV2). Each time the button is pressed, the input selection toggles between TV1 and TV2.
3. Press the [**|◀◀**, **▶▶|**] lever upward or downward to tune in the desired TV station.

Watching a video

The TV tuner has a VTR input terminal to which 1 external device can be connected. Connect a 12 V video cassette player (VCP) or video cassette recorder (VCR) to the TV tuner input terminal.

1. Press and hold the [**ADJ**] button for 1 second or longer to select VTR.
2. To return to the TV broadcast, press and hold the [**ADJ**] button for 1 second or longer.

Setting the TV area

When you select the TV area (TV reception area), the TV tuner area setting changes.

1. Press the [**ADJ**] button to switch to the adjustment selection display.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select "**▲▼ TV AREA**".
3. Turn the [**ROTARY**] knob to select the reception area.
4. Press the [**ADJ**] button to return to the previous mode.

TV Operations

Setting the TV diver

You can change the reception setting for the TV antenna connected to the TV tuner.

1. Press the [**ADJ**] button to switch to the adjustment selection display.
2. Press the [**I◀◀**, **▶▶I**] lever upward or downward to select "**▲▼ TV DIVER**".
3. Turn the [**ROTARY**] knob to set to "**ON**" or "**OFF**".

   ● **ON:**

   Sets reception emphasizing the visual.

   ● **OFF:**

   Sets the diver setting to OFF.
4. Press the [**ADJ**] button to return to the previous mode.

Digital Radio / DAB Operations

DAB control function

When a CeNET cable is used to connect a DAB (DAH913 or DAH923) (sold separately), all functions can be operated.

Listening to the DAB station

1. Press the [**SRC**] button to select the DAB mode.
2. When the unit receives a DAB station, the display changes in the following order:

   Frequency channel ➜ service label

Switching displays

1. Press the [**D**] button to select the desired display.
2. Each time you press the [**D**] button, the display switches in the following order:

Main display ➜ Spectrum analyzer display ➜ CT (clock time) display ➜ Main display

Notes:

- *The number of programmes and broadcasting times depend on the DAB stations.*
- *When the strength of DAB signals is weak, audio output is muted.*

Seek tuning

1. Press the [**SRC**] button to select the DAB mode.
2. Press the [**I◀◀**, **▶▶I**] lever upward or downward and hold in position for 1 second or longer.

   "**DAB**" lights up in the display when the main unit receives a DAB station.

   ∗ The main unit stops the seek tuning when it cannot find a DAB station. The display returns to the previous mode.

Manual tuning

1. Press the [**SRC**] button to select the DAB mode.
2. Press and hold the [**BND**] button for 1 second or longer. "**MANU**" lights up in the display.
3. Press the [**I◀◀**, **▶▶I**] lever upward or downward to select a station.

   ∗ If no operation is performed for more than 7 seconds, manual tuning is cancelled and the display returns to the previous mode.

Switching programmes

1. Press the [**SRC**] button to receive a DAB station.
2. Press the [**|◀◀**, **▶▶|**] lever upward or downward to switch programmes in the DAB station.

Note:

• The programme name may be the same depending on DAB programmes.

Programme scan

This function scans through each receivable programme in a DAB station being received for 10 seconds sequentially. This is useful when you want to search for a desired programme.

1. Press the [**SRC**] button to receive a DAB station.
2. Perform the following operation depending on the connected model.

   Press the [▶II] button. "**SERVICE SCAN**" lights up and the unit starts scanning each programme for 10 seconds sequentially. Each time the main unit scans, the programme name is shown in the display.
3. To stop programme scan when a desired programme is tuned in.

   Press the [▶II] button.

Manual memory

The main unit has a manual memory function for DAB programmes. Up to 18 programmes (6 programmes each) can be preset in the preset buttons.

[M1], [M2] and [M3]

1. Press the [**SRC**] button to select the DAB mode.
2. Press and hold the [**BND**] button for 1 second or longer to select any one shown above.
3. Press the [**|◀◀**, **▶▶|**] lever upward or downward to select a desired programme.
4. Press and hold one of the [**DIRECT**] buttons (1 to 6) for 2 seconds or longer to store the programme.

Note:

• The interrupt programme (PTY or INFO) cannot be written into a manual memory.

Recalling a preset programme

1. Press the [**SRC**] button to select the DAB mode.
2. Press the [**BND**] button. Each time you press the [**BND**] button, the display changes in the following order:

   [M1] ➜ [M2] ➜ [M3] ➜ [M1]...
3. Press one of the [**DIRECT**] buttons to recall a preset programme.

Note:

*• Press and hold the [**DIRECT**] button for 2 seconds or longer to store the programme currently being received. (Manual memory)*

INFO (Announcement)

In the INFO standby mode, when the selected announcement programme starts, the main unit switches to the selected announcement programme automatically.

● Setting the INFO standby mode

If you press and hold the [**TA**] button for 1 second or longer, "**INFO**" lights in the display and the main unit is set into the INFO standby mode until the selected announcement is broadcast. When the selected announcement broadcast starts, the announcement item appears in the display. If you press and hold the [**TA**] button for 1 second or longer while the selected announcement broadcast is being received, the selected announcement broadcast reception is cancelled and the main unit goes into the INFO standby mode.

● Cancelling INFO standby mode

To cancel the INFO standby mode, press and hold the [**TA**] button for 1 second or longer.

● Information select

This is a function for selecting INFORMATION ON or OFF in the Information interrupt mode. You can set ON up to 6 information items.

You can select any of the 6 items below:

INFORMATION item	
ENGLISH	**Contents**
Travel	Transport flash
Warning	Warning / Service
News	News flash
Weather	Area weather flash
Event	Event announcement
Special	Special event

1. Perform the following operation depending on the connected model.
   Press and hold the [**ADJ**] button for 1 second or longer to switch to the RDS adjustment selection display.

2. Press the [|◀◀, ▶▶|] lever upward or downward to select "▲▼ **INFO SEL** PUSH ENT ", then press the [▶II] button to enter "**INFO SEL**" mode.
3. Press the [|◀◀, ▶▶|] lever upward or downward to select an information item. You can select any of 6 items:

   Travel ➜ Warning ➜News ➜ Weather ➜ Event ➜ Special ➜ Travel ➜ ...
4. Turn the [**ROTARY**] knob to set the information item for ON or OFF.
5. Press the [▶II] button to store the setting.
6. Press the [**ADJ**] button to return to the previous display.

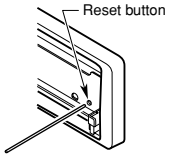
For the following items, see "RDS Operations" (page 18)

- **AF function**

∗ If the reception of the current broadcast station deteriorates, "**SEARCHING**" appears in the display and the radio searches for the same programme on another frequency.

- **TA (Traffic Announcement)**
- **PTY**
- **Emergency broadcast**
- **Switching the PTY and INFO display language**
- **Volume setting of TA, INFO emergency broadcast (ALARM) and PTY**

8. IN CASE OF DIFFICULTY

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	1. Turn the unit off. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 3. Turn the unit back on. 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).
	Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the [**RELEASE**] button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. 
		DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
	No sound heard.	The speaker protection circuit is operating.	1. Turn down sound volume. Function can also be restored by turning the power off and on again. (Speaker volume is reduced automatically when the speaker protection circuit operates). 2. If the sound is muted again, consult our service department.

	Problem	Cause	Measure
CD/MP3/WMA	No sound heard.	MP3/WMA files are absent in a disc.	Write MP3/WMA files onto the disc properly.
		Files are not recognized as an MP3/WMA file.	Use MP3/WMA files encoded properly.
		File system is not correct.	Use ISO9660 level 1, 2 or JOLIET or Romeo file system.
	Sound skips or is noisy.	Disc is dirty.	Clean the disc with a soft cloth.
		Disc is heavily scratched or warped.	Replace with a disc with no scratches.
	Sound is cut or skipped. Noise is generated or noise is mixed with sound.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.
	Wrong filename	File system is not correct.	Use ISO9660 level 1, 2 or JOLIET or Romeo file system.

9. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.
Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
CD/MP3/WMA	**ERROR 2**	A DISC is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism and consult your store of purchase.
	ERROR 3	A DISC cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	A DISC is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD changer	**ERROR 2**	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
DVD changer	**ERROR 2**	A DISC inside the DVD changer cannot be played.	This is a failure of DVD mechanism and consult your store of purchase.
	ERROR 3	A DISC cannot be played due to scratches, etc.	Retry or replace with a non-scratched, non-warped-disc.
	ERROR 6	A DISC inside the DVD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly
	ERROR P	Parental level error.	Set the correct Parental level.
	ERROR R	Region code error.	Eject the disc and replace correct region code disc.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

English

10. SPECIFICATIONS

Radio section

Tuning System: PLL synthesizer tuner

Receiving Frequencies:
FM : 87.5 to 108 MHz (0.05 MHz steps)
MW : 531 to 1602 kHz (9 kHz steps)
LW : 153 to 279 kHz (3 kHz steps)

CD player section

System: Compact disc digital audio system

Frequency Response: 5 Hz to 20 kHz (± 1 dB)

Signal to Noise Ratio: 100 dB (1 kHz)

Dynamic Range: 95 dB (1 kHz)

Distortion: 0.01%

General

Output Power: 4 × 25 W (DIN 45324, +B=14.4V)

Power Supply Voltage:
14.4 V DC (10.8 to 15.6 V allowable), negative ground

Power Consumption: Less than 15 A

Speaker Impedance: 4 Ω (4 to 8 Ω allowable)

Auto Antenna Rated Current: 500 mA or less

Weight:
Main unit: 1.55 kg
Remote control unit: 40 g (including battery)

Dimensions:
Main unit :
178 (W) × 50 (H) × 155 (D) mm
Remote control unit :
44 (W) × 113 (H) × 11 (D) mm

Note:

• Specifications and design are subject to change without notice for further improvement.

Clarion®

// High-Tech High-Touch //

» DICHIARAZIONE DI CONFORMITA' «

(D.M. 28 agosto 1995, no548)

Io, Fabbricante / Mandatario nell'UE

Clarion Europa GmbH
Hessenring 19-21
64546 Mörfelden-Walldorf

Dichiaro che il prodotto

Autoradio con CD
DXZ668RMP

è conforme alle disposizioni contenute nel suddetto decreto relativamente alla prevenzione e l'eleminazione dei disturbi radioelettrici provocati dai ricevitori di radiodiffusione sonora e televisiva.

Io, Fabbricante / Mandatario nell'UE

Data 10 Gennaio 2006

Clarion Europa GmbH
Hessenring 19-21
64546 Mörfelden-Walldorf

Firma

PBL No 06IRC101C IDCFMTFA003

CE DECLARATION OF CONFORMITY

We **Clarion Europa GmbH**

(supplier's name)

Hessenring 19-21, 64546 Mörfelden-Walldorf, GERMANY

(address)

declare under our sole responsibility that the product

CAR RADIO with CD PLAYER
MODEL:DXZ668RMP
Product code: PE2789
TYPE: 1042832

(name, type or model, possibly sources and numbers of items)

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

EN 55013:2001 + A1, EN 55020:2002 + A1

(title and/or number and date of issue of the standard(s) or other normative document(s))

(if applicable) following the provisions of **89/336/EEC** Directive.
And following the provisions of **2004/104/EC** Directive,
according to paragraph 3.2.9 of Annex I,
meets the limits defined in paragraph 6.5, 6.6, 6.8 and 6.9 of Annex I

(supplier's comment)

Mörfelden-Walldorf GERMANY
10 JAN 2006
(Place and date of issue)

Susumu Yamakawa
President
(name and signature or equivalent marking of authorized person)

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